

LMFF

Load Handling System Modular Fuel Farm



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The LMFF provides the ability to rapidly establish a fuel distribution and storage capability at any location regardless of the availability of construction and material handling equipment. The system consists of ten 2500-gallon tank racks and one pump rack. The LMFF increases mobility, capacity and speed in fuel distribution and decreases deployment and recovery time as the LMFF is mobile when it is full, partially full, or empty. It is compatible with the Heavy Expanded Mobility Tactical Truck (HEMTT) Load Handling System (LHS), the Palletized Load System (PLS) and proper capacity forklifts.

The LMFF tank racks can also be used for line haul of bulk petroleum throughout the theater. By using two tank racks, one on the truck and one on the trailer; the PLS and LHS can transport up to 5000 gallons of bulk petroleum per trip.

Operational Concept

- Provide the Army with a rapidly emplaced fuel distribution system that can receive, store, and distribute fuel at a fraction of the time required for a collapsible tank system.
- Support vehicle, ground equipment, and aircraft fuel requirements.
- Use tank racks compatible with line haul operations.
- Replace the FSSP at division and below units



System Includes

- Ten 2500-gal tank racks
- Pump rack with filter separator

Contact Information

PM PAWS

www.tacom.army.mil/dsa/pmtaws/pm_paws
COM: (586) 574-4200 DSN: 786-4200
FAX: (586) 574-3988

PAWS Help Line

pawshelp@tacom.army.mil
COM: (586) 574-4143 DSN: 786-4143

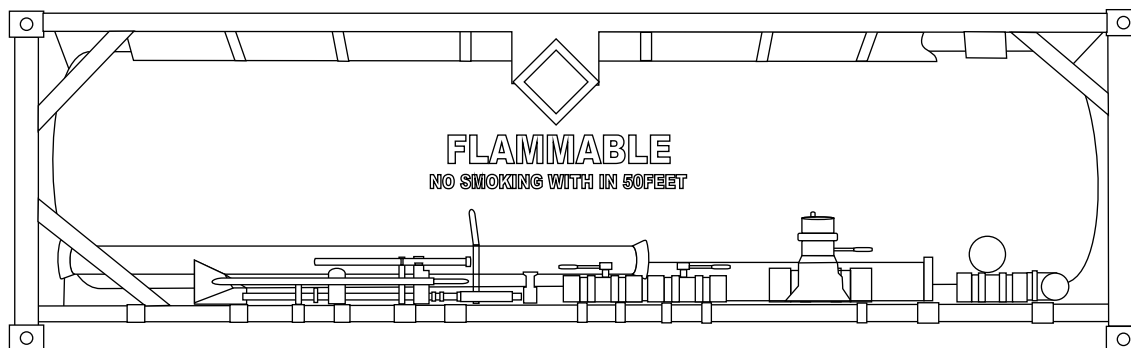
QUARTERMASTER

www.quartermaster.army.mil



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PROGRAM STATUS: N/A

LIN	NSN	SSN	BOIP
Z28886	N/A	N/A	N/A

Transportability

- PLS trailer
- HEMTT LHS

Environmental Conditions

Storage	-30°F to 160°F
Operation	-25°F to 120°F

Performance

Pump module flow rate.....	400 GPM (threshold), 600 GPM (objective)
Receives, stores, issues.....	JP-8, JET-A1
Hoses.....	Distribution: 1.5 inch to 3 inch, unisex dry break couplings Suction: 4 inch cam groove connectors
Bottom Loading.....	D1 refueling nozzle, 4 inch cam groove
Nozzles.....	8 refueling points, automotive, closed circuit, single point D1 nozzles

Dimensions

• System Length x Width x Height (System to fit 2 ISO Containers)	20 L x 8 W x 8 H ft
• System Weight: Tank Module	Empty 8400 lb Full 33,571 lb
Pump Module	Empty 8500 lb Full 9100 lb